

SUMMARY OF PROFESSIONAL QUALIFICATIONS OF Aaron J. Miller

POSITION: Lead supervising engineer for specialized water operations projects

EDUCATION: Bachelor of Science in Environmental Resources Engineering, May 1998, Humboldt State University

REGISTRATION: Registered Professional Engineer in California, Civil No. C62483

PROFESSIONAL EXPERIENCE:

- May 2016 to present: Supervising Engineer, Water Resources (Specialist) in the SWP Water Operations Office. Duties include providing project coordination and engineering expertise on specialized water operations projects and advise senior management and executive staff on projects and policies that may affect SWP operations.
- February 2014 to April 2016: Chief of the SWP Export Management Section. The section is responsible for determining daily SWP exports from the Sacramento - San Joaquin Delta to meet regulatory requirements and reporting compliance to regulatory agencies; and coordinating exports with CVP operators.
- July 2006 to January 2014: Senior engineer, specialist, of SWP Special Studies Section. Duties included analysis of SWP operations under proposed and present operating and regulatory conditions.
- October 2004 to June 2006: Water resources staff engineer DWR Division of Flood Management, Hydrology Section. Duties included water supply forecasting for water conditions in California and forecasting river flow and elevations in coordination with National Weather Service.
- April 2003 to September 2004: Water resources staff engineer with DWR Division of Environmental Services, Suisun Marsh Planning Section. Duties included model development for tidal restoration and development of a spatial hydrodynamic and water quality tool set.
- November 1998 to March 2003: Water resources staff engineer with DWR Bay Delta Office, Delta Modeling Section. Duties included using DSM2 to analyze the hydrodynamics, water quality, and particle movement in the Delta; and development and maintenance of the DSM2 particle tracking model.

PUBLICATIONS:

- Miller, A. (2003). "Chapter 6: New Behaviors and Control Switches in DSM2-PTM." Methodology for Flow and Salinity Estimates in the Sacramento-San Joaquin Delta and Suisun Marsh. 24th Annual Progress Report to the State Water Resources Control Board. California Department of Water Resources. Sacramento, CA.
- Miller, A. (2003). "Chapter 8: DSM2-HYDRO Binary Output File Reader." Methodology for Flow and Salinity Estimates in the Sacramento-San Joaquin Delta and Suisun Marsh. 24th Annual Progress Report to the State Water Resources Control Board. California Department of Water Resources. Sacramento, CA.
- Miller, A. (2002). "Chapter 2: Particle Tracking Model Verification and Calibration." Methodology for Flow and Salinity Estimates in the Sacramento-San Joaquin Delta and Suisun Marsh. 23rd Annual Progress Report to the State Water Resources Control Board. California Department of Water Resources. Sacramento, CA.
- Miller, A. (2000). "Chapter 5: DSM2 Particle Tracking Model Development." Methodology for Flow and Salinity Estimates in the Sacramento-San Joaquin Delta and Suisun Marsh. 21st Annual Progress Report to the State Water Resources Control Board. California Department of Water Resources. Sacramento, CA.